

## Memorandum of

Meeting in Boston, February 16

February 18, 1955

Logistics

On the assumption that 75% of the aircraft will be available as operational at any one time, it has been decided that three bases provided with all necessary equipment for five aircraft are required. Each of these bases should be provided with all necessary ground handling, servicing and testing equipment and sufficient storage facilities for 16 sorties. In addition, one set of such equipment and facilities is to be provided as reserve.

The configurations are now defined as:

A-1 A unit consisting of a mounting frame supporting:

- In Bay 1. A single K-38 camera with 24" lens at f/8 with IMC and rocking drive for one left oblique, vertical and one right oblique, A8-B magazine (2000 ft. 3 mil film)
- In Bay 2. A pair of fixed oblique K-17C cameras with 6" Metrogon T lenses at f/8 with precision A9-B magazines (800 ft of 3 mil film)
- In Bay 3. A fixed vertical K-17C camera with 6" Metrogon T lenses at f/8 with precision A9-B magazine (800 ft of 3 mil film) and programmer and exposure cycling control.

A-2 A unit consisting of a mounting frame supporting:

- In Bay 1. A fixed right oblique K-38 camera with 24" lens at f/8 with IMC, A8-B magazine
- In Bay 2. An identical camera fixed right oblique
- In Bay 3. An identical camera fixed vertical, an exposure cycling control and a charting camera.

B A unit consisting of a camera with 36" f/10 lens, IMC, magazine for 10,000 ft. of 3 mil film for 18x18 inch format, CG anti vibration support, special shutter in non-recoil mount and programmed for 7 oblique positions and vertical; a programmer and exposure cycling control; a mini-vib unit; an automatic exposure control; and a charting camera.

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C A unit consisting of a camera with a long focal length optical system, IMC, magazine for 5300 ft. of 3 mil film for 18"x18" format, CG anti vibration support, drive for oblique scan, a mini-vib unit, an automatic exposure control and a charting camera.

Each of these configurations is to be packed with all necessary tools and installation accessories in a shipping and storage box. The box should also contain a bottom complete with the windows required for the configuration. The box for C should contain two bottoms; one with a single window for near vertical use, and a second with two windows for wider oblique coverage.

Each base should be provided with a shipping and storage box containing one spare bottom of each type.

A complete complement of equipment at each base would consist of:

- 4 boxes containing A-1's
- 2 boxes containing A-2's
- 1 box containing B
- 1 box containing C
- 1 box containing a spare bottom each for A-1, A-2, B and C.
- 1 box containing a spare charting camera
- 1 box containing a spare periscope
- 1 box containing preflight checkout equipment (self powered).
- 1 maintenance and repair trailer
- 1 film storage and magazine loading room trailer
- 1 test sample processing and evaluation trailer
- 1 loose spare parts and equipment storage trailer
- 1 tractor with power unit
- 1 hoist for installing configuration in aircraft

In the event of an operation from a temporary forward base, a box containing the configuration selected for the mission, the box of preflight checkout equipment and the hoist could be transported by air to the forward base. This would permit installation and test just before the start of a mission. If much of this type of mission from forward bases is contemplated, an additional small trailer should be supplied for the proper transportation and storage of loaded magazines for the number of sorties to be run as a group from each advanced base. Four sorties seems a proper number.

Prepared by: \_\_\_\_\_

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CC: Original RMS  
 #1 copy RMS  
 #2 " JCB  
 #3 " HIM ✓  
 #4 " AA  
 #5 " EM